BOLD

(Ribosome Binding Site) (Start Codon)

CGGGAGCTTG**AAGGA**CACAAGAATGGGAGGAAAGGCGGACTCTCAGGAAC TTCATTCTTCACGTGGTTTATCGTGATTGCATTGCTGGGCGTCTGGACAT CTGTAGCTGTCGTTTGGTTTGATCTTGTTGACTATGAGGAAGTTCTAGGA AAACTAGGAATCTATGATGCTGATGGTGATGGAGATTTTGATGTGGATGA TGCCAAAGTTTTATTAGGACTTAAAGAGAGATCTACTTCAGAGCCAGCAG TCCCGCCAGAAGAGGCTGAGCCACACACTGAGCCCGAGGAGCAGGTTCCT GTGGAGGCAGAACCCCAGAATATCGAAGATGAAGCAAAAGAACAAATTCA GTCCCTTCTCCATGAAATGGTACACGCAGAACATGTTGAGGGAAGAAGACT TGCAACAAGAAGATGGACCCACAGGAGAACCACAACAAGAGGATGATGAG TTTCTTATGGCGACTGATGTAGATGATAGATTTGAGACCCTGGAACCTGA AGTATCTCATGAAGAAACCGAGCATAGTTACCACGTGGAAGAGACAGTTT CACAAGACTGTAATCAGGATATGGAAGAGATGATGTCTGAGCAGGAAAAT CCAGATTCCAGTGAACCAGTAGTAGAAGATGAAAGATTGCACCATGATAC AGATGATGTAACATACCAAGTCTATGAGGAACAAGCAGTATATGAACCTC TAGAAAATGAAGGGATAGAAATCACAGAAGTAACTGCTCCCCCTGAGGAT AATCCTGTAGAAGATTCACAGGTAATTGTAGAAGAAGTAAGCATTTTTCC TGTGGAAGAACAGCAGGAAGTACCACCAGATACT**TAA**AGCTTCAAAAAGA CTGCCCCTACCACACAGGAGGACCAGCCTAACCATACGCTCCAAAAGAT GGCTGTGATAGATCTTGTGAAGCAATTACTGAGCAGATCAAGATCTTTGG GAAGGAACACTAAAGATGTTTTGAATGAATTATAGTCCACTGGCATTTTA GTGTATTTTTTTTTTTTTAGAAACACACATTTCTAAAAATGTCATGTT ACATTCCTGCATGTCCCTTTTGATAGCATTAGTGGATCCATTGGATTTCT TTTTTCTTTTGTGAGACAGCTTTTAGTCTTACCTGA**ATTTA**TGTGTGTT TTTCCGACAGTGGTTAATAATTATATTGGTGATGTAGCAGCAATTGTGTT GGCAGGGTTTTCATATATTATTAGTAATTAACACTAACTGTTGGACTGAC TTGTGTACACTGTGTTAAACATG**ATTTA**AAAGCTATTAAGAGTACTTTGT GTTAGCACTCTTAAAAACGCTAACAGAGATCATCATTAGCTGTGAAGATT TGAGTTGTATATACCTGCACTGATATTCTTATCAAAAATTTCTACATTAG CTTTAAGTGTTCAGATTAACACTTTTGAAACCTTTGTAGCTTTTAGCTGA TTAATTAGAAAATTAATATTTCAGTGAAAGTTTTAAATTATC**ATTTA**TT TATTTTTTAAATGAGAGGGGAAAGCTGAAATTCCTTGTTAAGACACAAG GAAAAAGAATGGCCCTACTATTATCATGCAAAAATGCTTTGTTGGCACCT CAGATTAATCATAATAGCTATAGTCTCTTCAGCATTTGTTTAAATTTT AGAAAACCTGTATAAATTACTGGTGCATAACTTAAAGATTATTCTGCCTT TGGCTAATTGAGTAATTCCCCTCCAGCACTAGAGACCGCTCAGTGCTCTT AAAAGCTCACAGAGCCCGATGCCTGCTGCTATTTCACGGCAATGAGCCTT TTTCTTTCTACACTGAAGATTTTCTTCTT**ATTTA**ATGTGGTTTATTTTGG GCTCAGAAATAATTGCTCTGTTGAAAATAATCCTTTGTCAGAAAAGAAGG TAGCTACCACATCATTTGAAAGGACCATGAGCAACTATAAGCAAAGCCA TAAGAAGTGGTTTGATCGATATATTAGGGGTAGCTCTTGATTTTGTTAAC ATTAAGATAAGGTGACTTTTTCCCCCTGCTTTTAGG**ATTAAAA**TCAAAGA TACTTCTATATTTTATCACTATAGATCATAGTTATTATACAATGTAGTG AGTCCTGCATGGGTACTCGATGTGTAATGAAACCTGAAATAATAATAAGA TAATAAGAAAAGCAATAATTTTCTAAAGCTGTGCTGTCGGTGATACAGAG ATGATACTCAAATTAT**AATAAA**ACTCTTCATTTTGTGAATTATAGAAGCT ACTTTTTATAAAGCCATATTTTTTTAGGGAAACTAAGGAGTGACATAGAA CTGATGAATGAGTAAAAGTAAGTTTTGCTGGATTTTTGTAGAACTCTGGA CGTTGAGGATTCATTATGCTGTGGTTAACTTTTAAATATTTTT

{Stop Codon}

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(Instability Sequence)

{Sub-optimal Polyadenylation Site}

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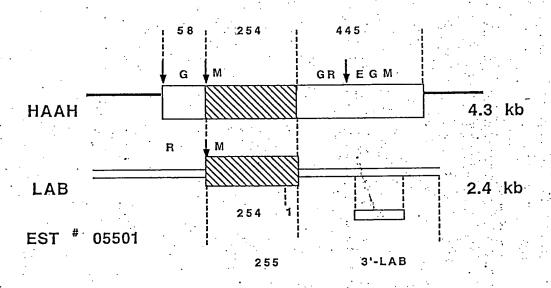
COMPUTER PREDICTED DOMAINS IN LABYRINTHIN

VETWYDLIAIVM	AVVWFDLVDYEEVL6KLGIYD?	vDGDGDFDVDDAKVLLGLK
^	. \ ^	`\
ERSTSEPAVPPE	EAEPHTEPEEQVPVEAEPQNII	DEAKEQIQSLLHEMVHAE ',
	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
HVEGEDLQQEDG	PTGEPQQEDDEFLMATOVDDRI	CETLEPEVSHEETEHSYHV \
	· ·	
EETVSQDCNQDM	(EEMMSEQENPDSSEPVVEDER)	_HHDTDDvtyqvyeeqavY \ <mad i=""> \</mad>
	· · ·	· · · · · · · · · · · · · · · · · · ·
EPLENEGIEITE	TAPPEDNPVEDSQviveevs: \MAD\-	
		, , , , , , , , , , , , , , , , , , ,
		\ Predicted Ca++ Binding Region
•		\ VLGKLGIYDADGDGDFDVDDAKVLLGLK
		ATQVIGITINAPQDGDI. DADVVATIBATIV
	Parvalbumin Calmodulin	vkkafaiidqdksqfieedelklflqnf fkeafslfdkdgdqtittkelgtvmrsl
	Troponin-C	ladcfrufdknadgfidieelgeilrat
	Ca ⁺⁺ Binding Residues Required residue	* * * * * +

BOLD = Eukaryotic Leader Sequence

= Myristylation site

lower case = Membrane Anchoring Domian (MAD)



 ↓ = Start Colon
 R = Ribosome Binding Site
 E = Enzymatic Site
 G = Glycosylation Site
 M = Membrane Anchoring Domain
 3'-LAB = Contains poly A signal (x2); instabilty sequence (x4)